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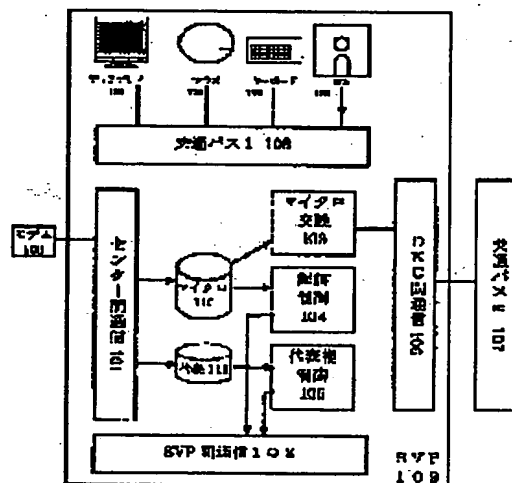
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## (54) MICROPROGRAM DELIVERY METHOD FOR MAGNETIC DISK CONTROLLER

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To shorten the line connecting time at a maintenance center by limiting the micro transfer up to a master SVP from the maintenance center and delivering a microprogram to a slave SVP after a public line is cut.

**SOLUTION:** A micro 110 and a control signal 111 showing a representative SVP are transferred to a site from a maintenance center. Every SVP decides whether it serves as a master or slave SVP. When a master SVP is decided, it decides whether the data are received from the maintenance center. If the data are received from the maintenance center, every SVP decides whether it serves as the representative one or not. If no representative SVP is decided, the relevant signal is sent to the representative SVP. When a representative SVP is decided, the circuit connected to the maintenance center is cut and the micro 110 is distributed to the slave SVP with the micro exchange requests given to other SVPs. Then the micro exchange results of other SVPs are collected and reported to the maintenance center after these micro exchanges are executed.



## LEGAL STATUS

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